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SUBJECT: EVALUATION OF GLASS LAMP MISSION G-Ø44

1. QUALITY SUMMARY: THE IMAGE QUALITY OF THIS MISSION IS COMPARABLE TO THE IMAGERY OBTAINED ON GLASS LAMP MISSION G-Ø43. THERE IS A NOTICEABLE CHANGE IN IMAGE QUALITY ACROSS THE FORMAT, WITH THE NON-DATA BLOCK END OF FRAME BEING THE BEST. THE IMAGERY IS GOOD THROUGHOUT THE MISSION WHERE IT IS NOT ADVERSELY AFFECTED BY ATMOSPHERICS. THE POOR IMAGE QUALITY PREVALENT AT THE BEGINNING OF RECENT GLASS LAMP MISSIONS DOES NOT APPEAR TO BE PRESENT. THIS COULD BE DUE TO THE EXTENDED TIME PERIOD BETWEEN THE TAKE OFF AND PENETRATION (1 HOUR, 26 MINUTES) GIVING THE CAMERA MORE TIME TO STABILIZE. THE GROUND RESOLUTION AND INTERPRETATION SUITABILITY ARE GOOD WHERE NOT DEGRADED BY ATMOSPHERICS. CLOUD COVER AND HAZE OBSCURE APPROXIMATELY 25 PER CENT OF THE ENTIRE MISSION.

2. MISSION DATA:

A. THE STANDARD "B" CONFIGURATION CAMERA, UNIT NUMBER 1Ø WAS USED IN MISSION G-Ø44 FLOWN 1 OCTOBER 1968. MODE 5 WAS USED THROUGHOUT.

B. FILM TYPE 34Ø1 WAS USED WITH AN EXPOSURE SETTING OF

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1/36Ø AT F-1Ø. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN.

3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE EXPOSURE IS ADEQUATE, HOWEVER, THE LATTER PART OF THE MISSION (APPROXIMATELY THE LAST 1ØØØ FRAMES) APPEARS TO HAVE BEEN SLIGHTLY OVEREXPOSED.

B. DENSITY AND CONTRAST: GENERALLY MEDIUM; HOWEVER, THE LAST 1ØØØ FRAMES ARE MORE DENSE AND HAVE HIGHER CONTRAST.

C. IMAGED DEGRADATIONS:

(1) 9R SIDE: SMALL PLUS DENSITY MARKS PARALLEL TO THE MAJOR AXIS OF THE FILM ARE SPACED APPROXIMATELY 6.3 INCHES APART INTERMITTENTLY IN FRAMES 1-1311. TWO ROWS OF THESE MARKS ARE PRESENT CONTINUOUSLY FROM FRAME 1 THROUGH FRAME 1311. THEY ARE 4.25 INCHES AND 4.84 INCHES FROM THE OUTBOARD EDGE OF THE FILM. ROLLER CHATTER IS PRESENT ALONG THE INBOARD EDGE OF THE FILM FOR THE ENTIRE MISSION AND ALONG THE OUTBOARD EDGE OF THE FILM FOR APPROXIMATELY THE LAST 75Ø FRAMES. THE ROLLER CHATTER ALONG THE INBOARD EDGE IS QUITE PROMINENT AT THE END OF THE MISSION. THE OBSTRUCTION NEAR THE DATA BLOCK, REPORTED IN PREVIOUS EVALUATIONS OF THIS CAMERA UNIT, HAS

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SHIFTED SO THAT ONLY A SMALL CORNER OF THE FORMAT NEAR THE CLOCK AND POSITION INDICATOR IS OBSTRUCTED. A 27 INCH LONG PLUS DENSITY MARK BEGINS 6.25 INCHES FROM THE NON-DATA BLOCK EDGE OF FRAME 1482, 3.25 INCHES FROM THE INBOARD EDGE AND EXTENDS THROUGH FRAMES 1482 AND 1483. IT APPEARS TO HAVE RE-SULTED FROM PRESSURE AGAINST THE FILM PRIOR TO PROCESSING. FRAME 2551 CONTAINS A Ø.25 INCH WIDE PLUS DENSITY BAND ALONG THE DATA BLOCK END O THE FRAME.

(2) 9L SIDE: MINOR ROLLER CHATTER IS PRESENT INTERMITTENTLY ALONG THE INBOARD EDGE. DEGRADATIONS DUE TO A MANUFACTURER'S SPLICE ARE PRESENT IN FRAMES 1124 AND 1126.

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GROUP 1 Excluded from automatic downgrading and declassification

(3) BOTH SIDES: EDGE FOG IS PRESENT ALONG THE OUTBOARD EDGES. THERE IS A PLUS DENSITY LINE PARALLEL TO EACH EDGE OF THE FORMAT, Ø.Ø6 INCH FROM THE FORMAT EDGE IN ALL FRAMES. THE MARKS APPEAR TO BE A REFLECTION OFF THE FORMAT OF THE FRAME IN THE CAMERA.

D. PHYSICAL DEGRADATIONS:

(1) 9R SIDE: FRAMES 9Ø3 AND 9Ø4 CONTAIN A CURVED SCRATCH WITH A TOTAL LENGTH OF 9.5 INCHES. A MANUFACTURER'S SPLICE IS PRESENT IN FRAME 124. A HEAT SPLICE IS PRESENT IN FRAME 1319.

(2) 9L SIDE: FRAME 1124 CONTAINS A MANUFACTURER'S SPLICE. FRAME 124Ø CONTAINS A HEAT SPLICE.

E. AUXILIARY DATA: THERE IS A BIAS OF 1 BETWEEN THE EVENTS COUNTER AND TITLED FRAME NUMBERS. THE EVENTS COUNTER READS ØØØØ IN TITLED FRAME ØØØ1. ALL OTHER DATA RECORDING EQUIPMENT FUNCTIONED PROPERLY.

F. THE LAST TITLED FRAME IS 2552 ON BOTH SIDES.

4. POSITIVES:

A. THE PRINTING AND PROCESSING ARE GOOD.

GP-1

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END OF MSG